

EAST - [10501652.wsp:4]

FileViewEditToolsWindowHelp

Drafts

BRS: Bernam-Dancy.inv

Pending

Active

L1: (39090) (Digital or programmable or miniaturized) same (Transponder or transceiver or tag or...

L2: (67483) (Convolve or convolved or convolving or convolver or convolution)

L3: (339373) waveform

L4: (2696) ((bi-phase or biphas) same (modulate or modulated or modulating or modulator or modul...

L5: (1357) 1 and 2

L6: (17874) (Digital or programmable or miniaturized) near9 (Transponder or transceiver or tag)

L7: (5621) (Digital or programmable or miniaturized) near9 (Transponder or tag)

L8: (2) 2 and 4 and 7

L9: (1550) (programmable or miniaturized) near9 (Transponder or tag)

L10: (52033) interrogate or interrogated or interrogating or interrogator

L11: (534) 9 and 10

L12: (3) 4 and 11

L13: (2083) (342/42-51).CCLS.

L14: (0) ("13and@nd<="20020122").PN.

L15: (1148) 13 and @nd<="20020122"

L16: (45) 9 and 15

L17: (6) 16 and miniaturized

L18: (0) "komiak-james.inv"

L19: (0) "komiak-james-j.inv"

L20: (0) komiak-james.inv.

L21: (9) komiak-james-j.inv.

L22: (2) barum-danny-a.inv.

L23: (3) maron-david-e.inv.

Failed

Saved

Favorites

Tagged (12)

UDC

Queue

Trash

SearchListBrowseQueueClear

DBUS-PGPUB:USPAT:USOCR

Default operator: OR

Highlight all hits initially

342/42-51

3-16-06

Structured formCustom formBRS formISAR formHitsDetailsImageTextHTML

Document 1Learn:Ba:PagesTitleInventorCurrent O C

|   | Search Terms | Total | USPAT | US-PGP | EPO | JPO | Derw |
|---|--------------|-------|-------|--------|-----|-----|------|
| 1 | 342/42       | 467   |       |        |     |     |      |
| 2 | 342/43       | 175   |       |        |     |     |      |
| 3 | 342/44       | 540   |       |        |     |     |      |
| 4 | 342/45       | 265   |       |        |     |     |      |
| 5 | 342/46       | 238   |       |        |     |     |      |
| 6 | 342/47       | 141   |       |        |     |     |      |
| 7 | 342/48       | 40    |       |        |     |     |      |
| 8 | 342/49       | 83    |       |        |     |     |      |
| 9 | 342/50       | 245   |       |        |     |     |      |

No text available to display

HitsDetailsImageTextHTML

Ready

NUM

## EAST Search History

| Ref # | Hits   | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|--------|--|---|------------------|---------|------------------|
| L1    | 39090  | (Digital or programmable or miniaturized) same (Transponder or transceiver or tag or responder or RFID or RF-ID) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/03/16 10:31 |
| L2    | 67483  | (Convolve or convolved or convolving or convolver or convolution)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/03/16 10:29 |
| L3    | 339373 | waveform   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/03/16 10:29 |
| L4    | 2696   | ((bi-phase or biphase) same (modulate or modulated or modulating or modulator or modulation))                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/03/16 10:30 |
| L5    | 1357   | 1 and 2  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/03/16 10:30 |
| L6    | 17874  | (Digital or programmable or miniaturized) near9 (Transponder or transceiver or tag)                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/03/16 10:31 |
| L7    | 5621   | (Digital or programmable or miniaturized) near9 (Transponder or tag)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/03/16 10:33 |
| L8    | 2      | 2 and 4 and 7  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/03/16 10:32 |

## EAST Search History

|     |       |   |   |    |     |                  |
|-----|-------|---|---|----|-----|------------------|
| L9  | 1550  | (programmable or miniaturized)<br>near9 (Transponder or tag)    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/16 10:37 |
| L10 | 52033 | interrogate or interrogated or<br>interrogating or interrogator | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/16 10:38 |
| L11 | 534   | 9 and 10  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/16 10:39 |
| L12 | 3     | 4 and 11  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/16 10:40 |
| L13 | 2083  | (342/42-51).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/03/16 10:40 |
| L14 | 0     | ("13and@ad<=20020122").PN.                                      | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/03/16 10:41 |
| L15 | 1148  | 13 and @ad<="20020122"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/16 10:42 |
| L16 | 45    | 9 and 15  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/16 10:43 |
| L17 | 6     | 16 and miniaturized   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/16 10:45 |

## EAST Search History

|     |   |                      |   |    |    |                  |
|-----|---|----------------------|---|----|----|------------------|
| L18 | 0 | "komiak-james.inv"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/16 10:46 |
| L19 | 0 | "komiak-james-j.inv" | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/16 10:46 |
| L20 | 0 | komiak-james.inv.    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/16 10:46 |
| L21 | 9 | komiak-james-j.inv.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/16 10:48 |
| L22 | 2 | barnum-danny-a.inv.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/16 10:49 |
| L23 | 3 | maron-david-e.inv.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/16 10:49 |

# SEARCH NOTES FOR EAST, IEEE, INSPEC, IP.COM, AND PROQUEST

**SERIAL NUMBER**

10501652

## EAST SEARCH

EAST: search history attached

## IEEE SEARCH

Search terms:

**(programmable <or> miniaturized) <near/9> (Transponder or tag)**

- 1. Programmable reflectors for SAW-ID-tags**  
Reindl, L.; Ruile, W.  
Ultrasonics Symposium, 1993. Proceedings., IEEE 1993  
31 Oct-3 Nov 1993 Page(s):125 - 130 vol.1
- 2. Design of a programmable temperature monitoring device for tagging small fish**  
Fischer, G.; Daly, J.C.; Recksiek, C.W.; Friedland, K.D.; Chun Yang  
Low Power Electronics and Design, 1996., International Symposium on  
12-14 Aug 1996 Page(s):319 - 322
- 3. "A digital signal processing algorithm for detecting interrupted continuous wave undersea tracking signals", Kennedy, S.P. et al, Electronic Engineering in Oceanography. 'Technology Transfer from Research to Industry', 7th Int'l Conf. on 23-25 Jun 1997 Ps:193-197**
- 4. A programmable temperature monitoring device for tagging small fish: a prototype chip development**  
Fisher, G.; Daly, J.C.; Recksiek, C.W.; Friedland, K.D.  
Very Large Scale Integration (VLSI) Systems, IEEE Transactions on  
Volume 5, Issue 4, Dec 1997 Page(s):401 - 407
- 5. Cost-effective calibration transponders for future synthetic aperture radars**  
Dumper, K.; Buck, C.H.; Dawkins, A.W.J.  
Geoscience and Remote Sensing Symposium, 1999. IGARSS '99 Proceedings. IEEE  
1999 International  
Volume 1, 1999 Page(s):416 - 418 vol.1
- 6. Data cache energy minimizations through programmable tag size matching to the applications**  
Petrov, P.; Orailoglu, A.  
System Synthesis, 2001. Proceedings. The 14th International Symposium on  
2001 Page(s): 113 - 117

## INSPEC SEARCH

Search history:

| No. | Database | Search term                    | Info added since | Results |  |
|-----|----------|--------------------------------|------------------|---------|--|
| 1   | INZZ     | (programmable OR miniaturized) | unrestricted     | 12      |  |

05/16/06

**Inspec – 1969 to date (INZZ)**

**Design and development of a miniaturized embedded UHF RFID tag for automotive tire applications.**

*Source*

2005 Proceedings. 55th Electronic Components and Technology (IEEE Cat. No. 05CH37635), 2005, Vol. 1,

p. 867–70 Vol. 1, 7 refs, pp. 2 vol. (xxvi+1070), ISBN: 0–7803–8906–9.

Publisher: IEEE, Piscataway, NJ, USA.

*Author(s)*

Basat–S, Lim–K, Kim–I, Tentzeris–M–M, Laskar–J.

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**Data cache energy minimizations through programmable tag size matching to the applications.**

*Source*

International Symposium on System Synthesis (IEEE Cat. No.01EX526), 2001, p. 113–17, 14 refs, pp.

x+282, ISBN: 1–58113–418–5.

Publisher: ACM, New York, NY, USA.

*Author(s)*

Petrov–P, Orailoglu–A.

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**A programmable acoustic recording tag and first results from free– ranging northern elephant seals.**

*Source*

Deep–Sea Research Part II (Topical Studies in Oceanography),

{Deep–Sea–Res–II–Top–Stud–Oceanogr–UK}, 1998, vol. 45, no. 7, p. 1327–51, 55 refs,

CODEN:

DSROEK, ISSN: 0967–0645.

Publisher: Elsevier, UK.

*Author(s)*

Burgess–W–C, Tyack–P–L, Le–Boeuf–B–J, Costa–D–P.

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**Design and implementation of an FPGA transponder.**

*Source*

Microprocessors and Microsystems, {Microprocess–Microsyst–UK}, June 1995, vol. 19, no. 5, p. 255–9, 4

refs, CODEN: MIMID5, ISSN: 0141–9331, UK.

*Author(s)*

Tan–B–H, Tan–E, Lau–K–T, Mar–S–C.

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1

**Diver navigation with a programmable dive computer and an intelligent transponder array.**

*Source*

Acoustics Letters, {Acoust-Lett-UK}, Sept. 1992, vol. 16, no. 3, p. 62-8, 17 refs, CODEN: ACLEDI, ISSN: 0140-1599, UK.

**Author(s)**

Woodward-B, Joyce-D-A, Niazi-L.

COPYRIGHT BY IEE, Stevenage, UK

**The radio frequency control link: a mobile, real time data collection technology.**

**Source**

Industrial Engineering, {Ind-Eng-USA}, Nov. 1985, vol. 17, no. 11, p. 62-8, 5 refs, CODEN: IDLEB9,

ISSN: 0019-8234, USA.

**Author(s)**

Scaringe-R-A.

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**Emergency communications between programmable units.**

**Source**

IBM Technical Disclosure Bulletin, {IBM-Tech-Disc-Bull-USA}, March 1980, vol. 22, no. 10, p. 4430-1,

0 refs, CODEN: IBMTAA, ISSN: 0018-8689, USA.

**Author(s)**

Curlander-P-J, Edstrom-G-H, Lutter-E-P, Paulsen-P-H, Rehage-T-A.

COPYRIGHT BY IEE, Stevenage, UK

**A miniaturized transponder rocketsonde.**

**Source**

3rd international geoscience electronics symposium digest of technical papers, 1971, p. 1 pp., pp. iii+73.

Publisher: IEEE, New York, NY, USA.

**Author(s)**

Georgian-E-J.

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Inspec - 1969 to date (INZZ)

2

## IP.COM SEARCH

**Search query:** (programmable OR miniaturized) w/9 (Transponder OR tag)

**Published Before:** 1-22-2002 (Original publication date )

Result # 1      Relevance: ○○○○○○

Emergency Communications Between Programmable Units

1980-03-01

IPCOM000054587D

English (United States)

A controlling programmable unit (CPU) controls a plurality of control units (CUs) via a single connection. The single connection may consist of electrical control lines divided into data busses and tag lines. Each CU responds to tag signal combinations plus an address ...

Result # 2      Relevance: ○○○○○○

Programmable Price Tags

2000-08-01 IPCOM000013244D English (United States)

This disclosure describes a price tag for consumer products that can be easily modified when product prices change without having to re-label the products. It is labor-intensive to place price labels on products and every time prices change the process must be repeated. This ...

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Result # 3 Relevance:     

Architecture for Platform and Presentation Independent User Interface for Applications

1995-01-01 IPCOM000114671D English (United States)

The ability of a software application to easily port to multiple platforms (e.g., MVS, OS/2\*, AIX\*, or UNIX\*\* systems, etc.) is very valuable. However, the task of porting applications to multiple platforms is often made difficult due to the differences in the presentation ...

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Result # 4 Relevance:     

THE ABILITY OF RETAILERS TO ENHANCE A MANUFACTURERS COUPON THROUGH THE USE OF BISTATIXÔ TECHNOLOGY

2001-08-03 IPCOM000005057D English (United States)

THE ABILITY OF RETAILERS TO ENHANCE A MANUFACTURERS COUPON THROUGH THE USE OF BISTATIXÔ TECHNOLOGY

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Result # 5 Relevance:     

Programmable telemetry word selector (USH0000241)

1987-03-03 IPCOM000000240D English (United States)

A programmable telemetry word selector includes a scanning memory storing, or each of a number of analog outputs of the selector, a variable identifying tag and a data conversion code for the variable. The selector is constructed to compare the stored tags with successive ...

## PROQUEST SEARCH

(programmable OR miniaturized) w/9 (Transponder OR tag)

**High-tech tags track salmon's sea journey Electronic devices are implanted in more than 1 million young fish each year at hatcheries. :[All Editions]**

Jonathan Brinckman / Newhouse News Service. **The Grand Rapids Press** Grand Rapids, Mich.:Apr 22, 2001. p. A5

**Paper transponder cuts RFID costs**

Anonymous. **Design News** Boston:Jan 8, 2001. Vol. 56, Iss. 1, p. 52 (1 pp.)

**FAA Tests Demonstrate Feasibility, Reliability of RFID for Airport Baggage Sorting and Security**

Business Editors/High-Tech Writers. **Business Wire** New York:Sep 19, 2000. p. 1

**RFID will revolutionize trucking**

Lawson Marshall. **Fleet Equipment** Palatine:Jun 2000. Vol. 26, Iss. 6, p. 8 (1 pp.)

**SpaceDev, Wireless Future Develop STDN S-Band Transponder For Space Missions**

Space Business News Potomac:Mar 29, 2000. Vol. 18, Iss. 7, p. 1

**Radio frequency identification (RF/ID)**

Anonymous. **Automatic I.D. News** Cleveland:Mar 1996. Vol. 12, Iss. 4, p. 24 (2 pp.)